

Program EVALPLOT
(Version 2018-1)

by

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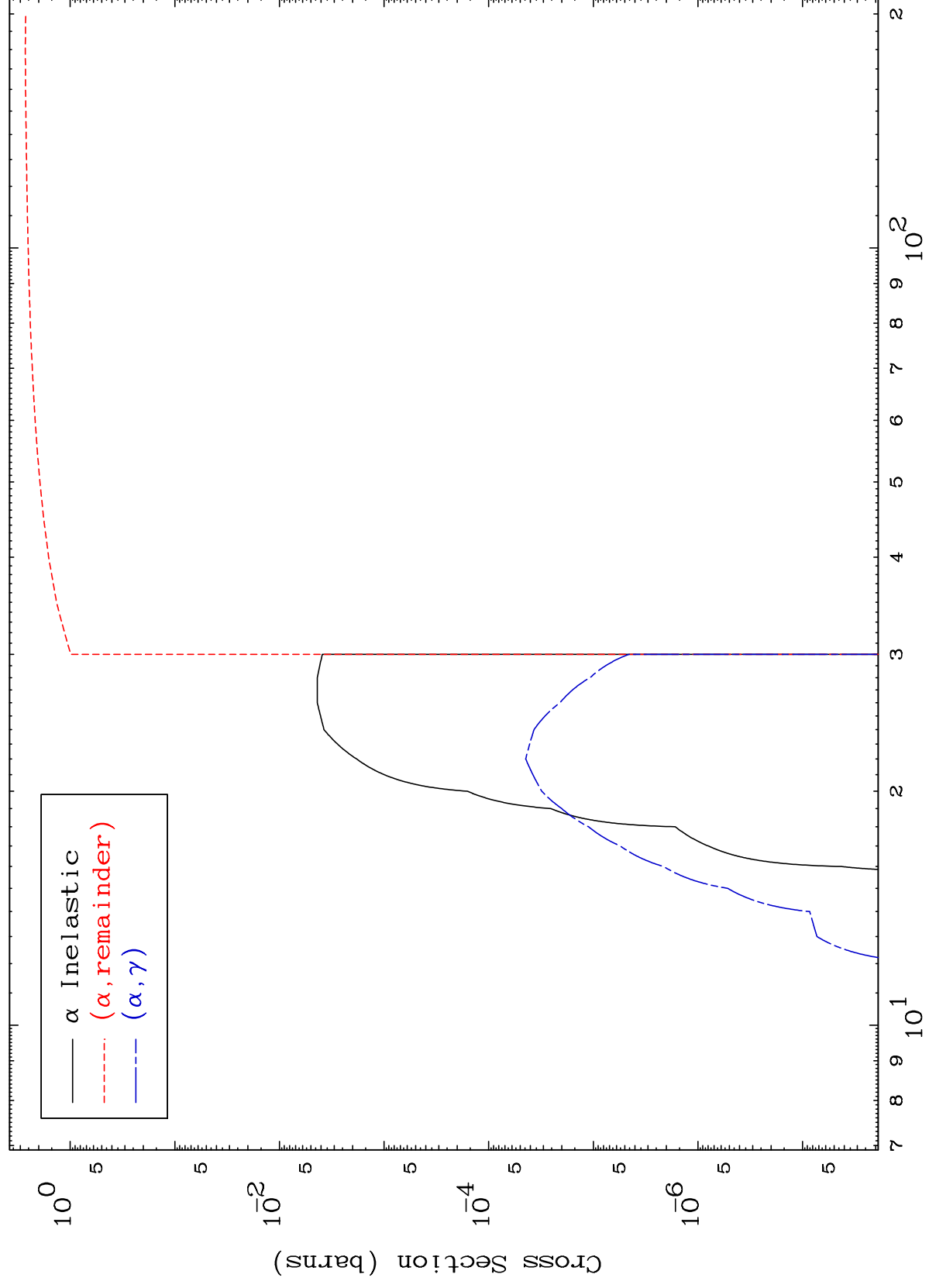
Press Mouse Button to Start

MAT 8180

0 Kelvin

α Major Cross Sections

82-Pb-189



α Inelastic
(α , remainder)
(α , γ)

1

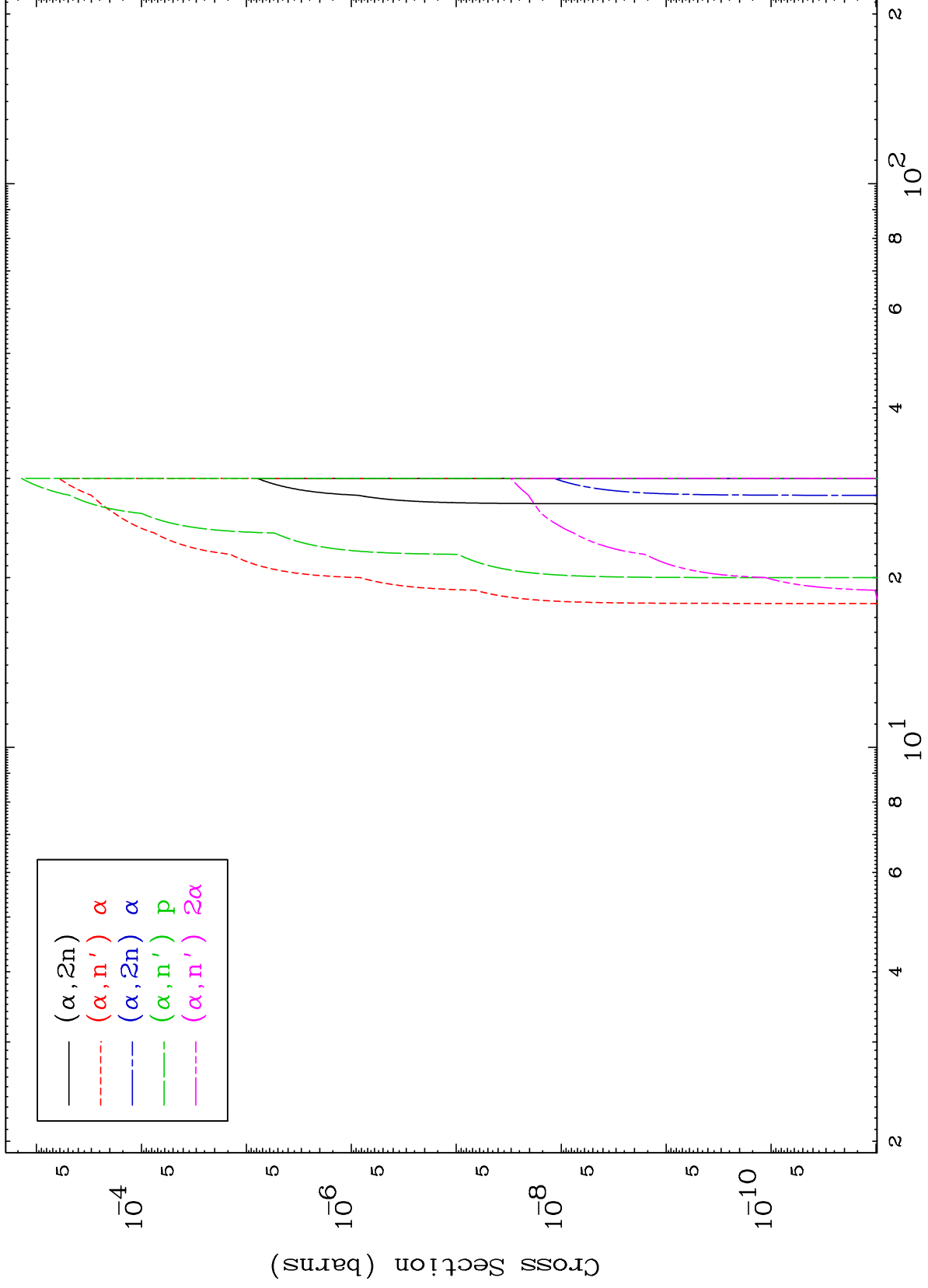
Incident Energy (MeV)

82-Pb-189

MAT 8180

α Neutron Production
0 Kelvin Cross Sections

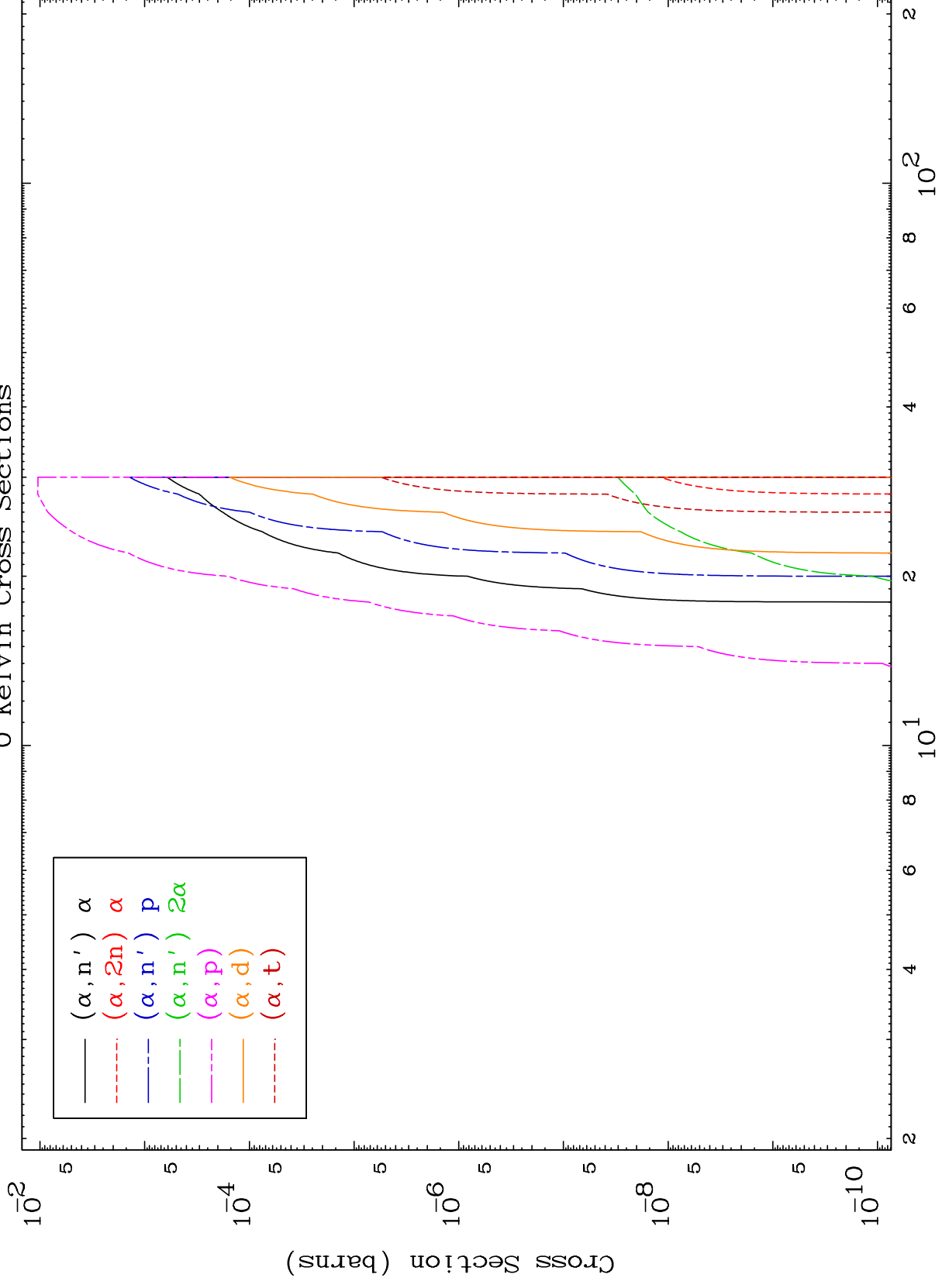
82-Pb-189

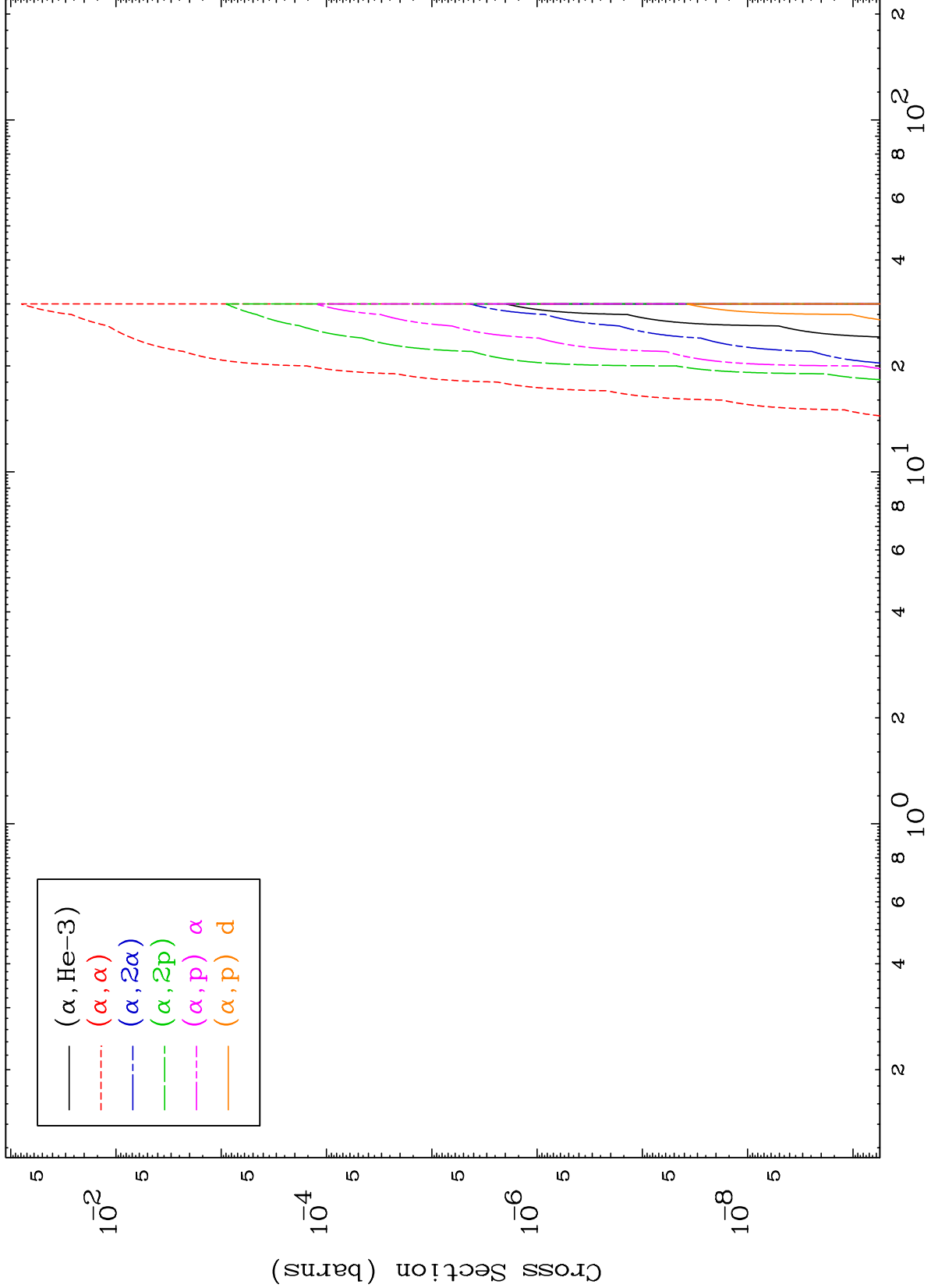


2

Incident Energy (MeV)

82-Pb-189



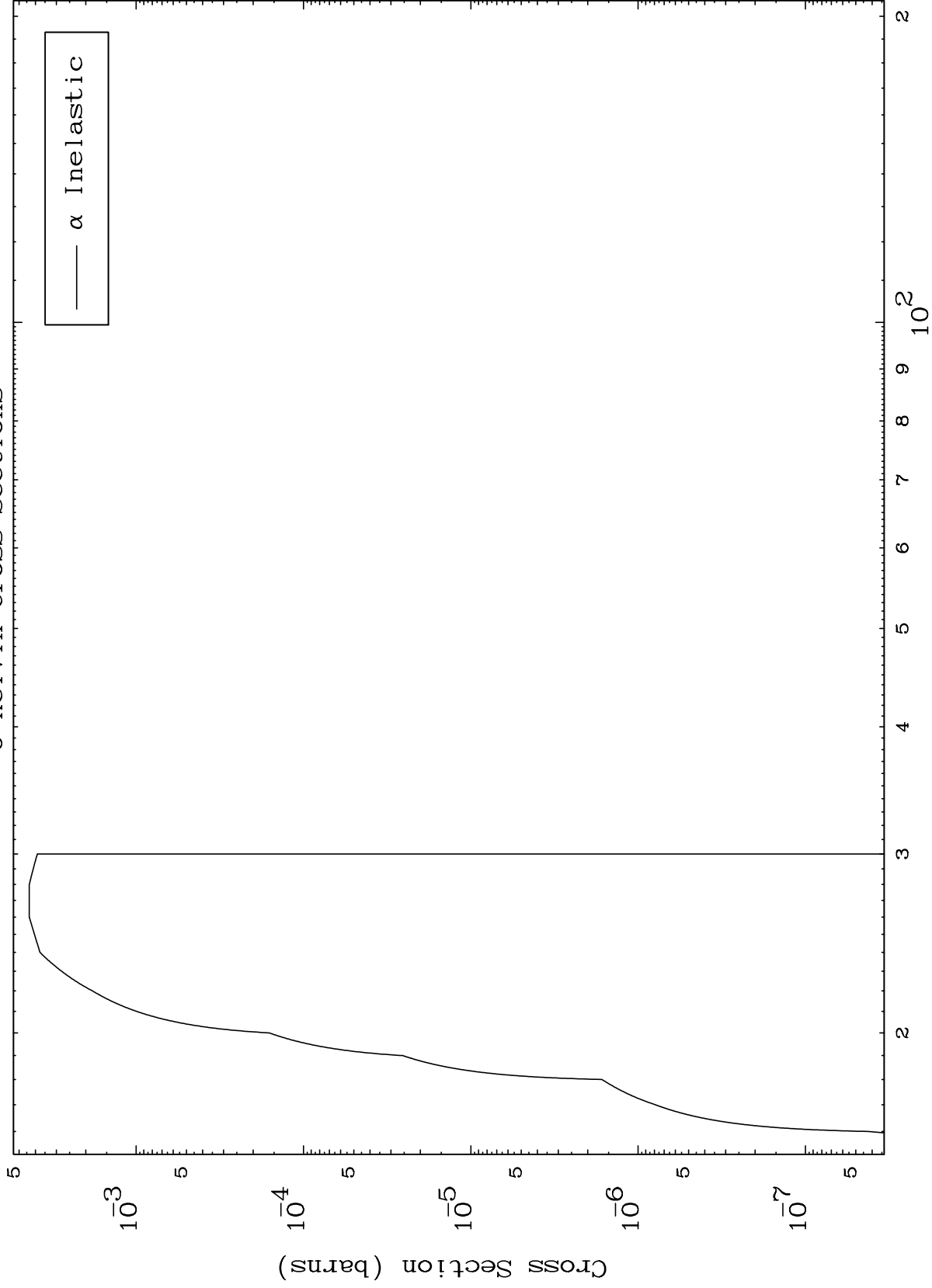


MAT 8180

(α, n') Level

82-Pb-189

0 Kelvin Cross Sections



Incident Energy (MeV)

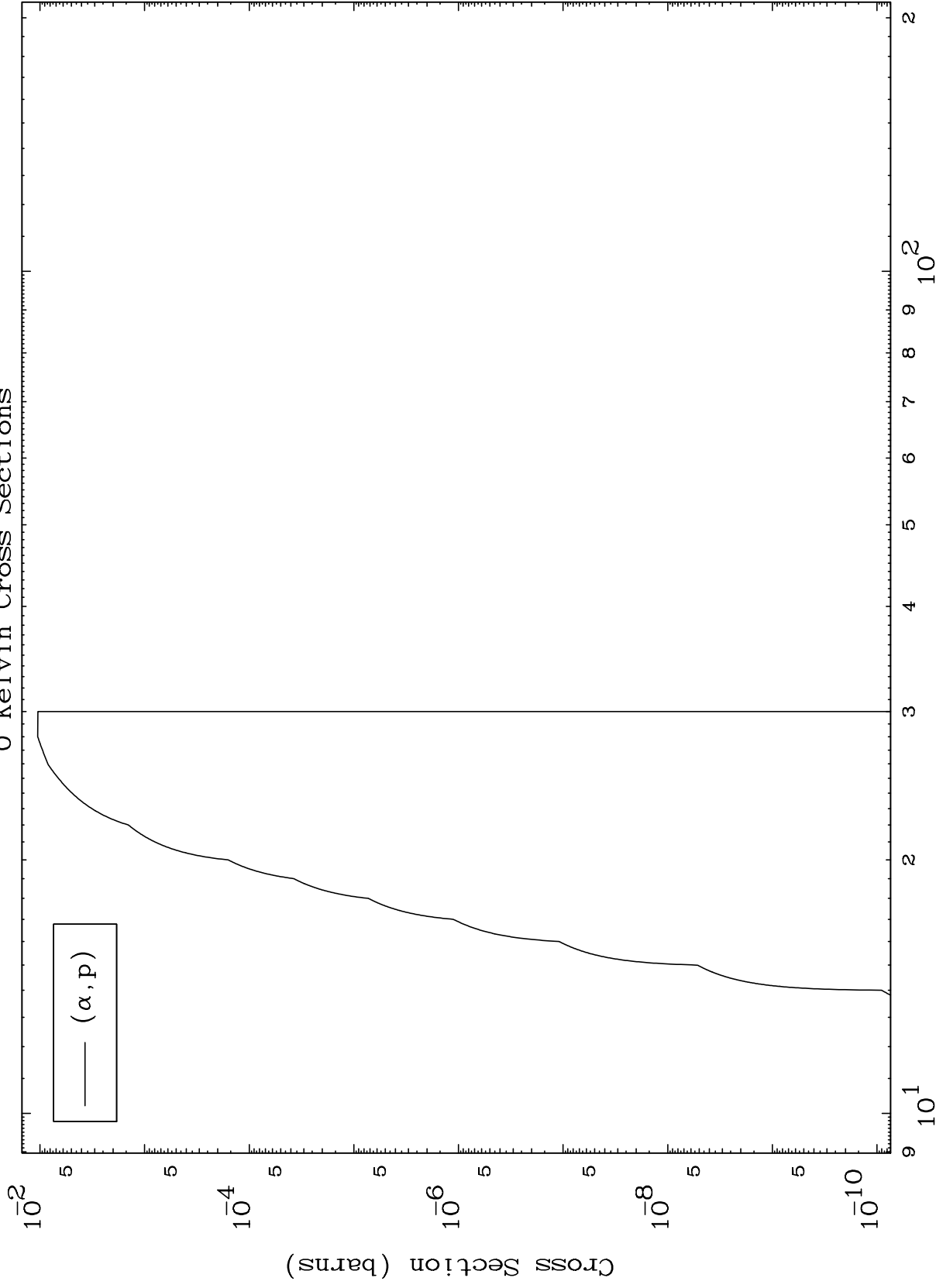
82-Pb-189

5

MAT 8180

(α, p) Levels
0 Kelvin Cross Sections

82-Pb-189



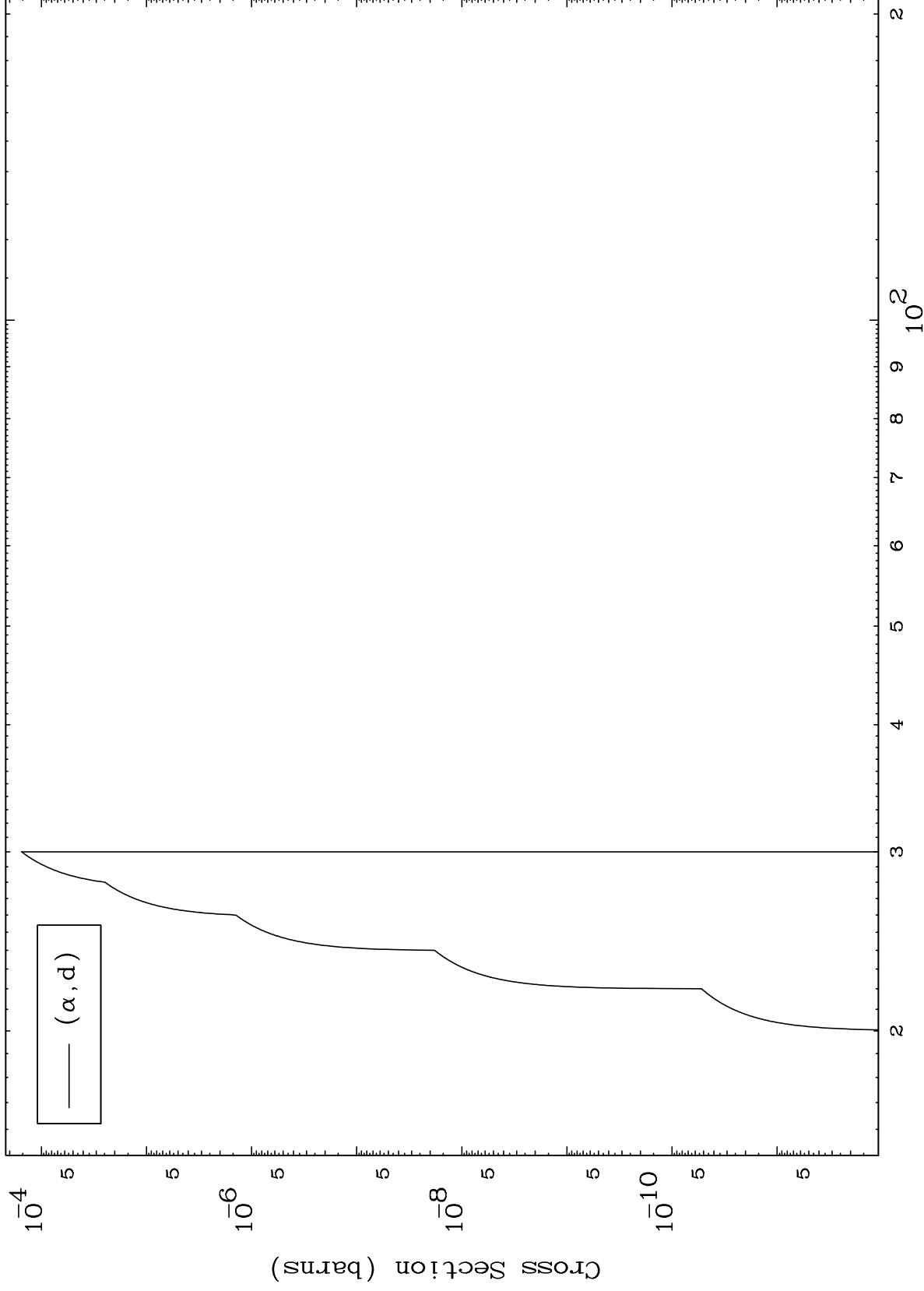
Incident Energy (MeV)

82-Pb-189

MAT 8180

(α, d) Levels
0 Kelvin Cross Sections

82-Pb-189



7

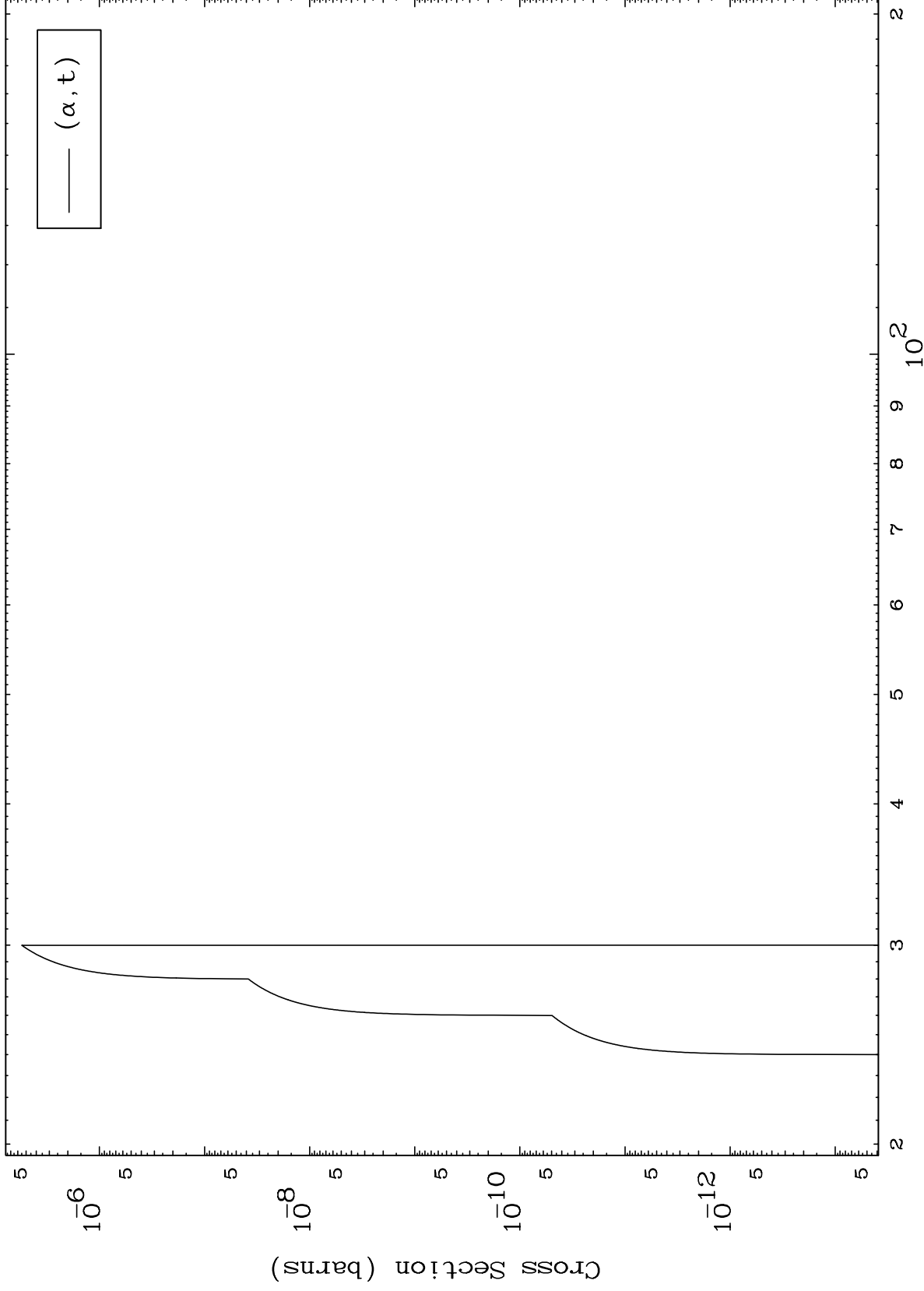
Incident Energy (MeV)

82-Pb-189

MAT 8180

(α, t) Levels
0 Kelvin Cross Sections

82-Pb-189



82-Pb-189

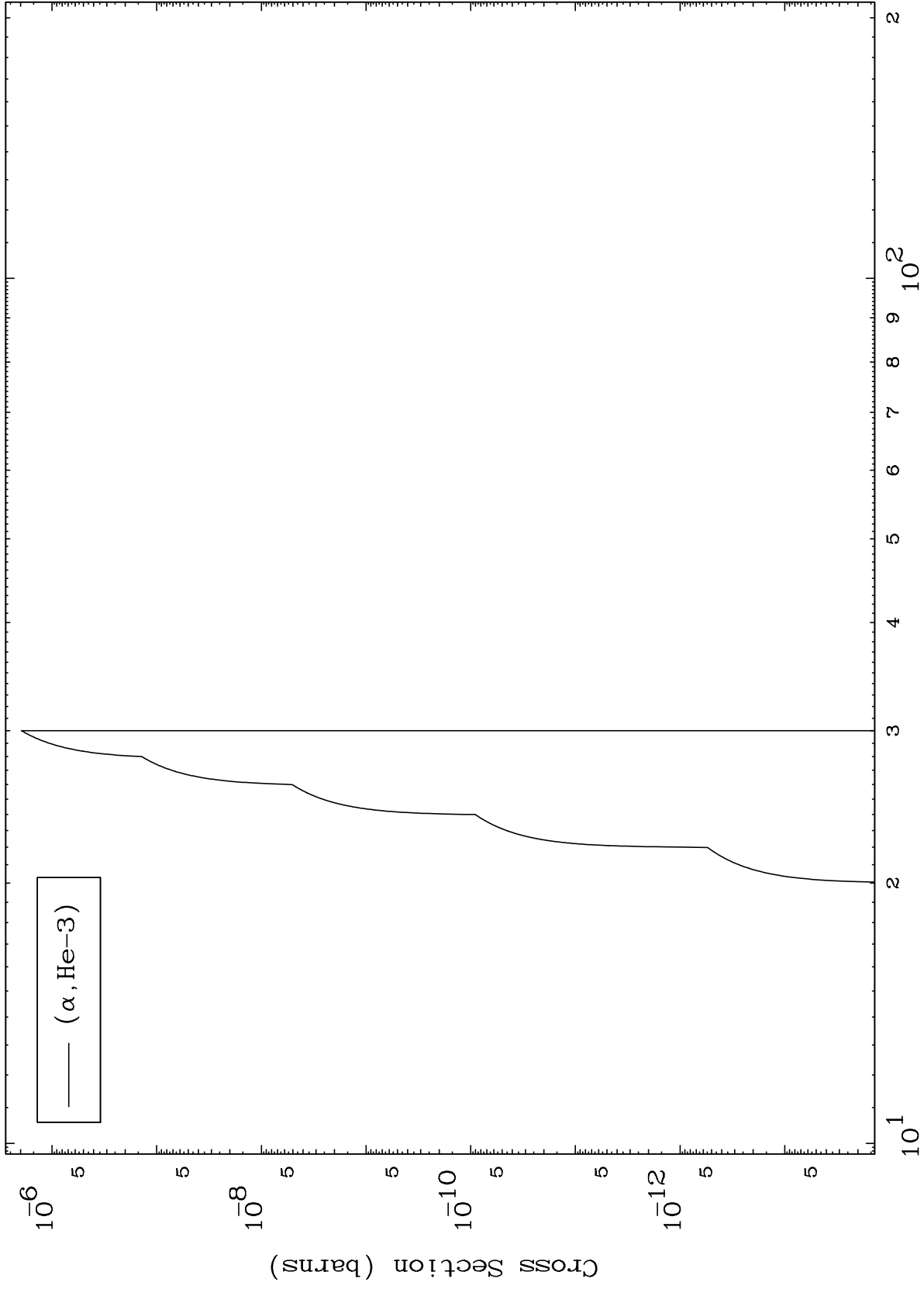
Incident Energy (MeV)

8

MAT 8180

(α , He3) Levels
0 Kelvin Cross Sections

82-Pb-189



Incident Energy (MeV)

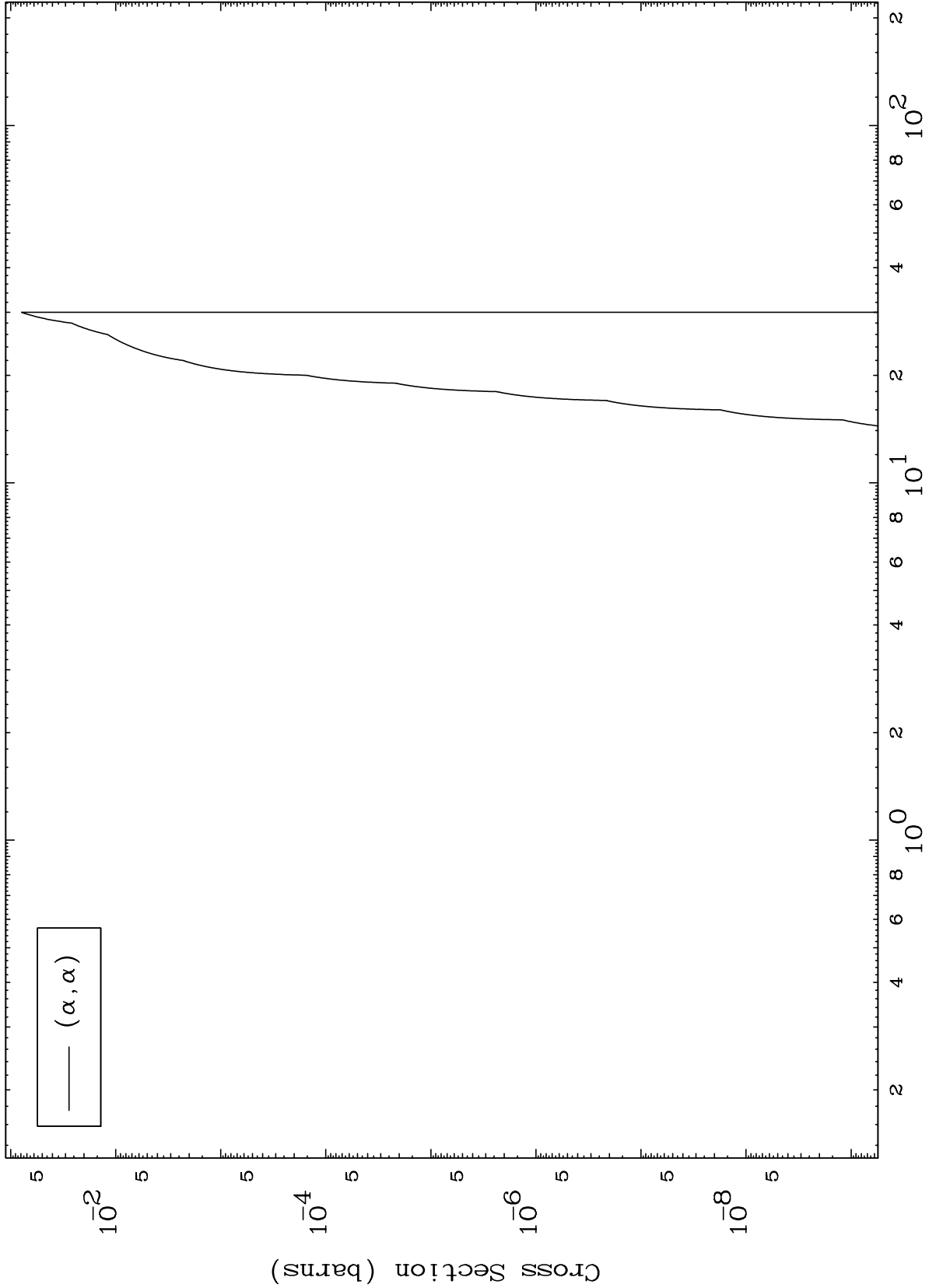
82-Pb-189

MAT 8180

(α, α) Levels

82-Pb-189

0 Kelvin Cross Sections



10

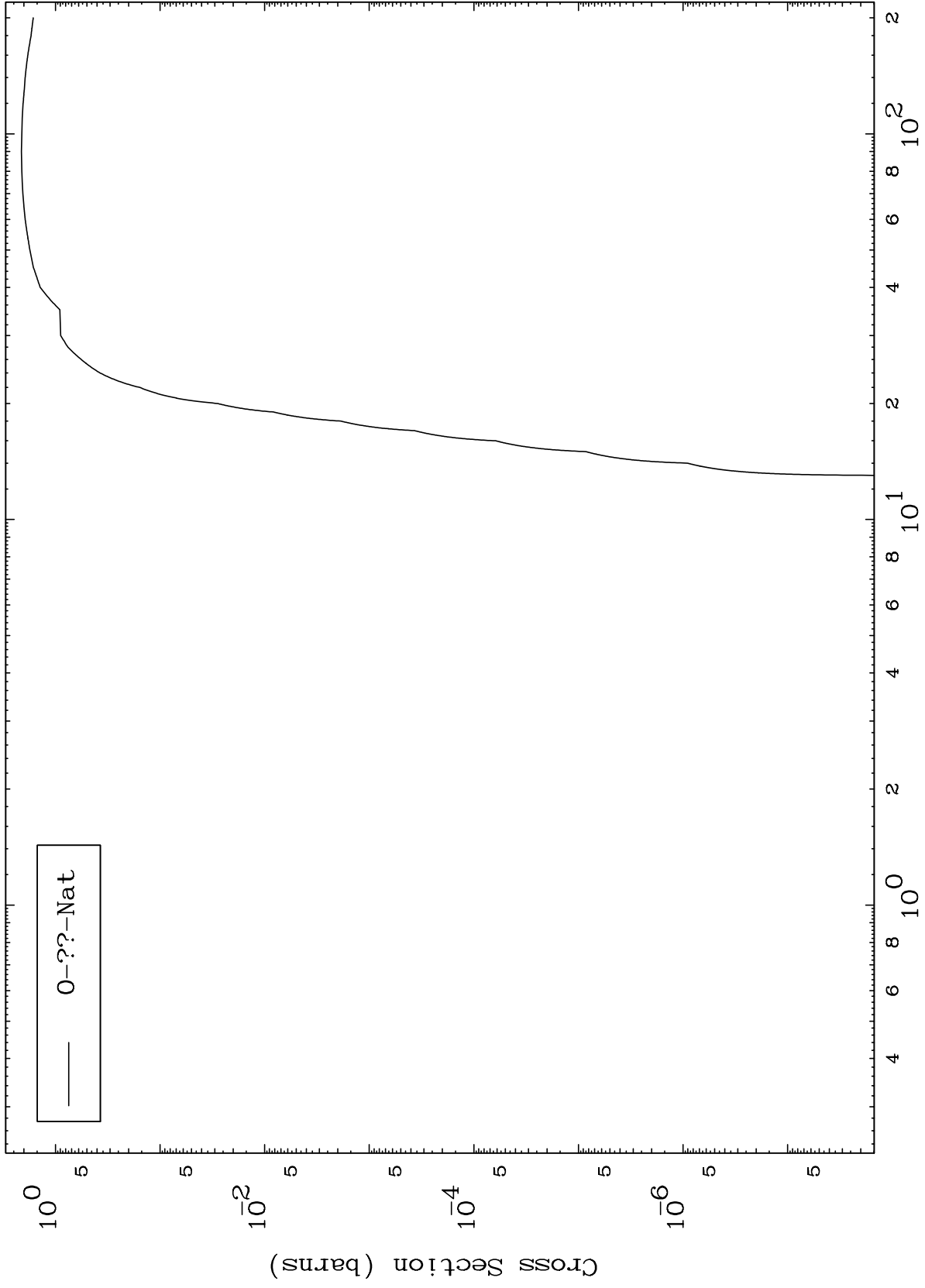
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

α Fission
Radionuclide Production Cross Section

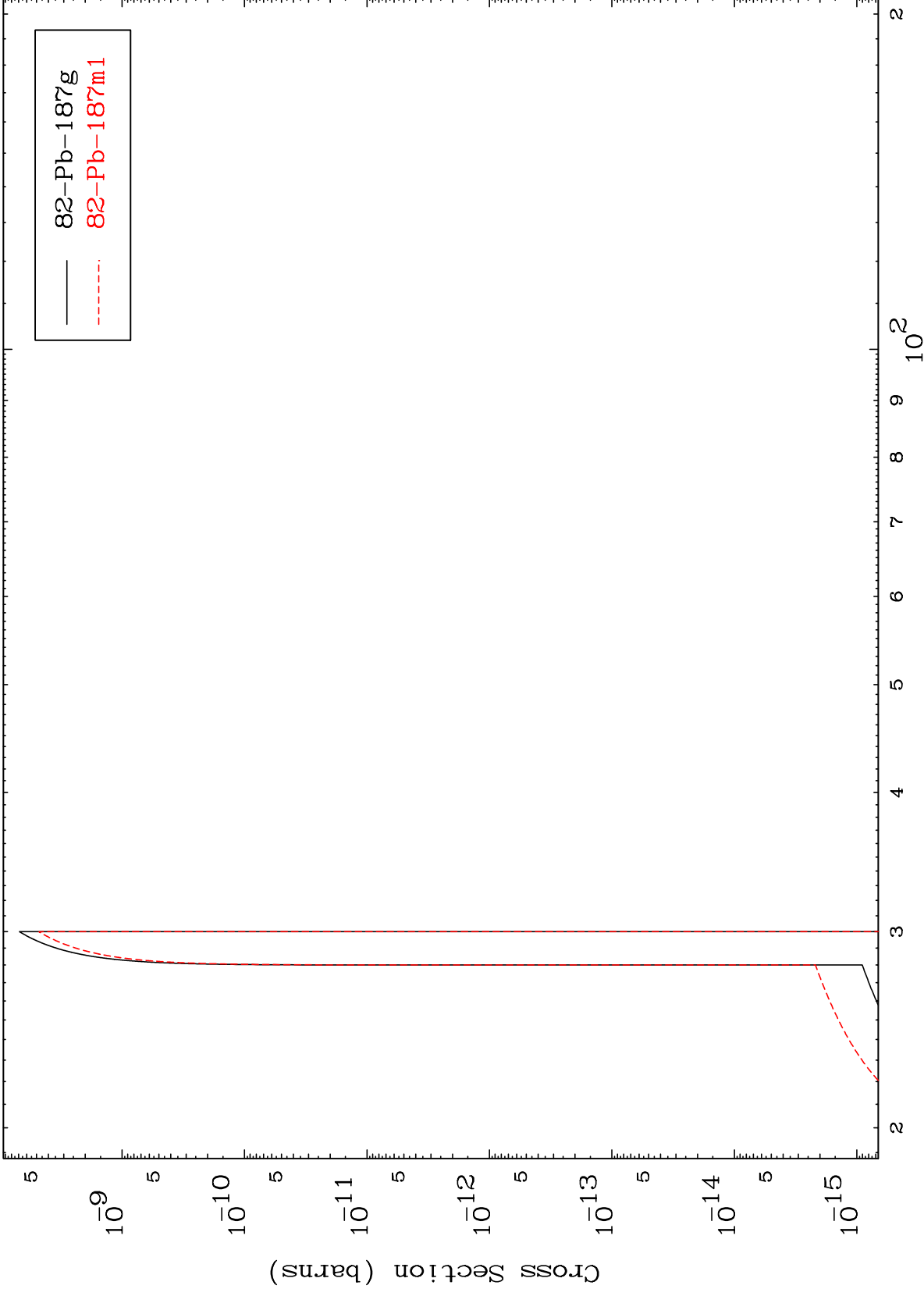


MAT 8180

$(\alpha, 2n)$ α

82-Pb-189

Radionuclide Production Cross Section



12

Incident Energy (MeV)

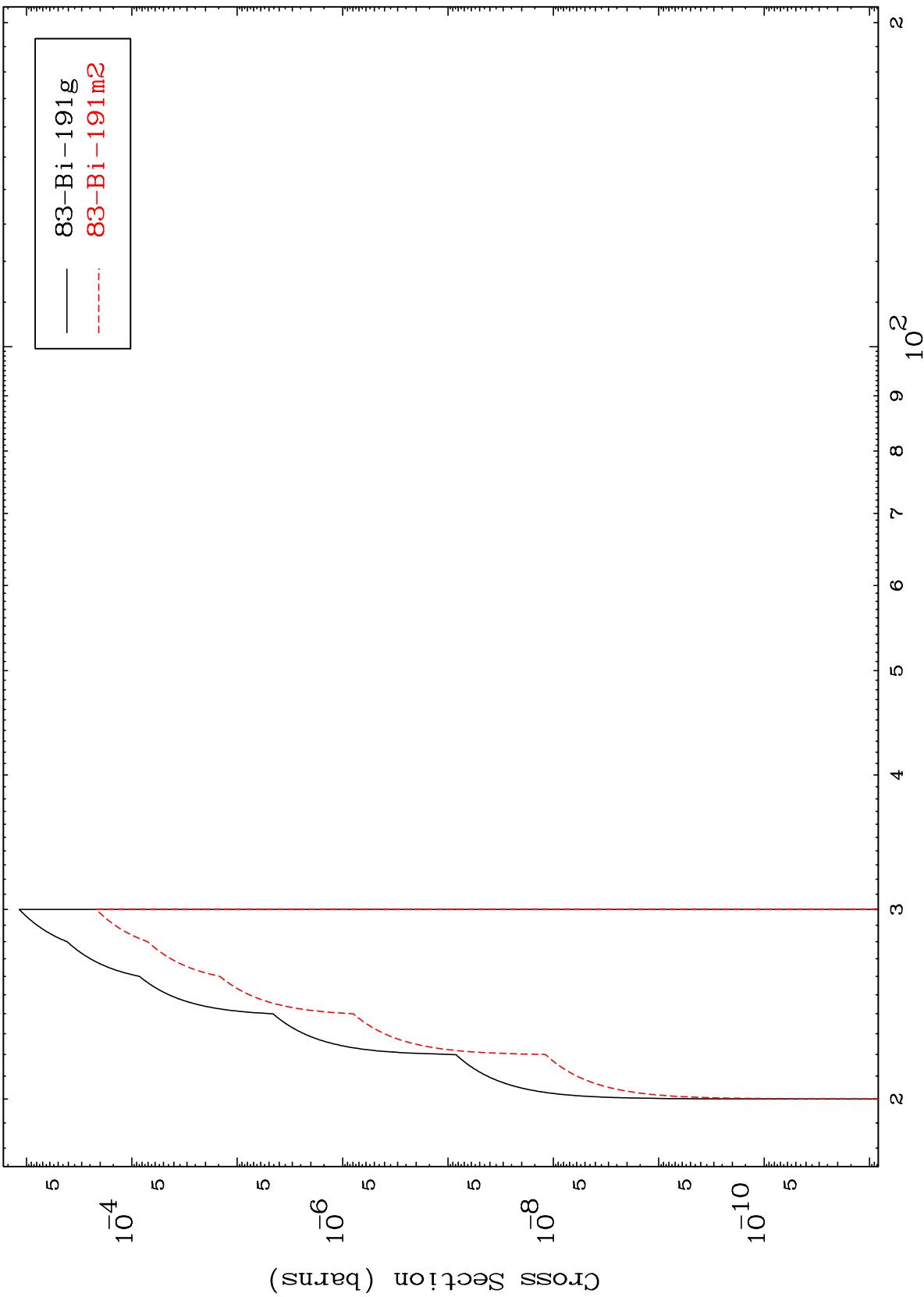
82-Pb-189

MAT 8180

(α, n') p

82-Pb-189

Radionuclide Production Cross Section



13

Incident Energy (MeV)

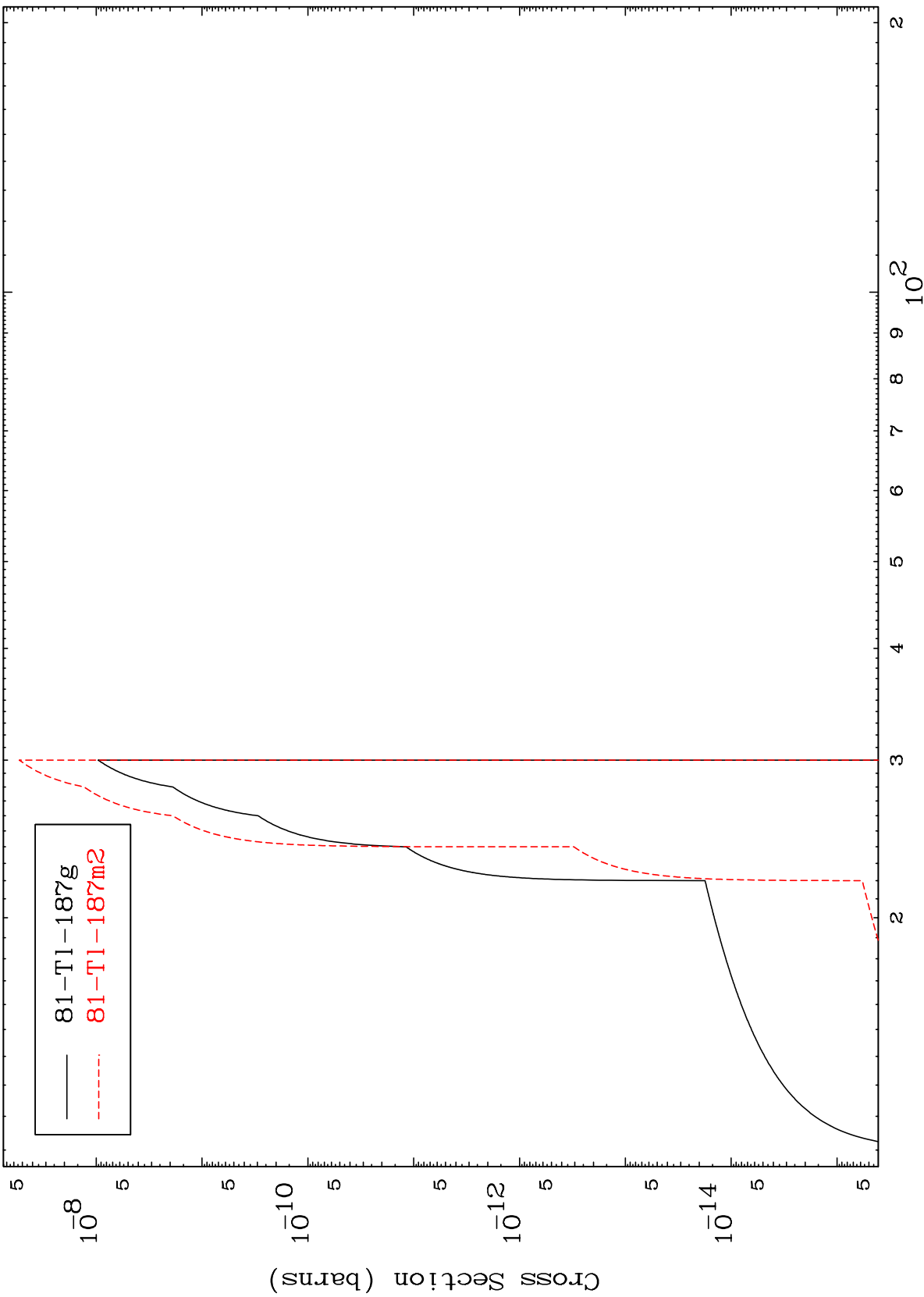
82-Pb-189

MAT 8180

(α, n') p α

82-Pb-189

Radionuclide Production Cross Section



14

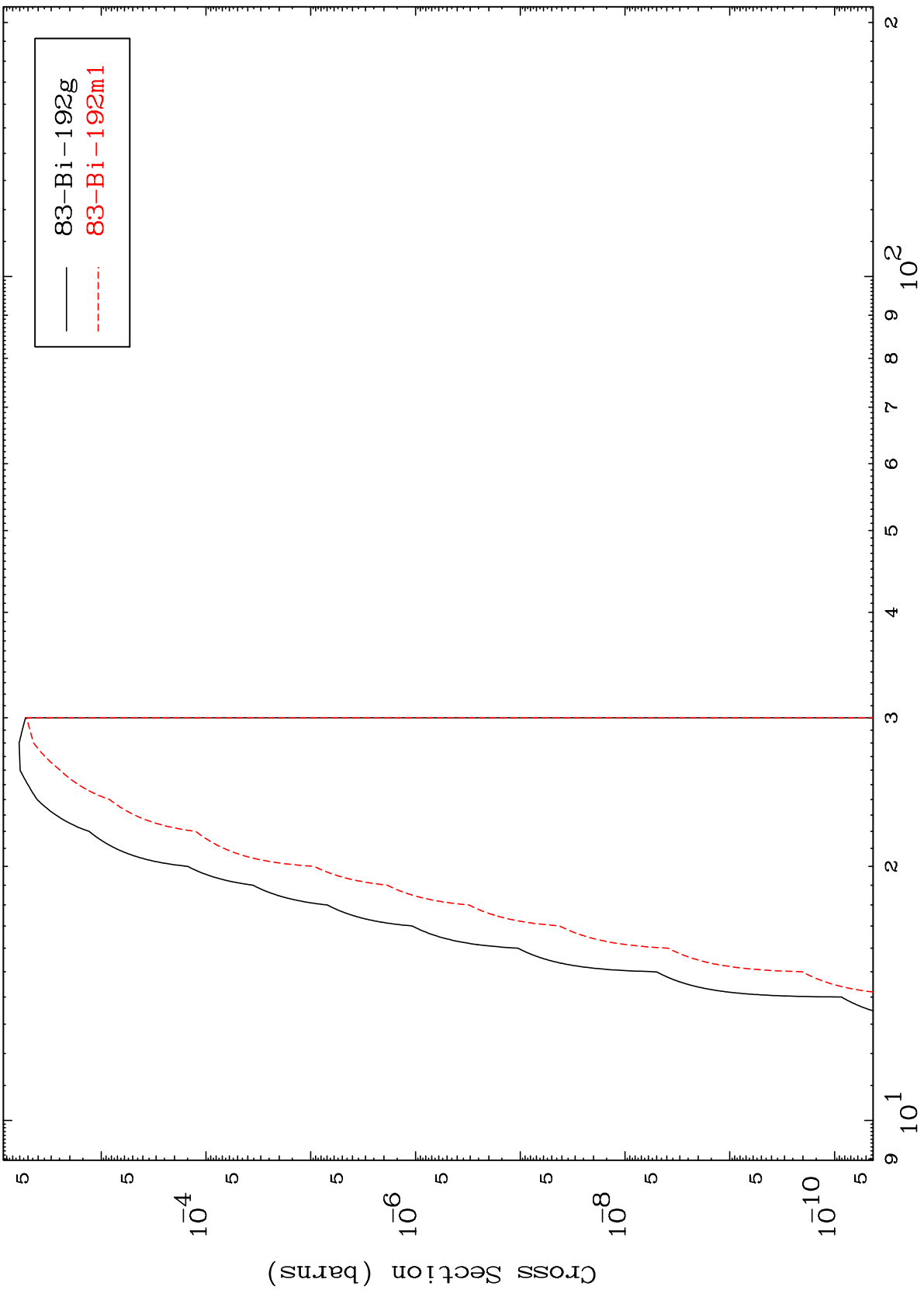
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

(α, p)
Radionuclide Production Cross Section



82-Pb-189

Incident Energy (MeV)

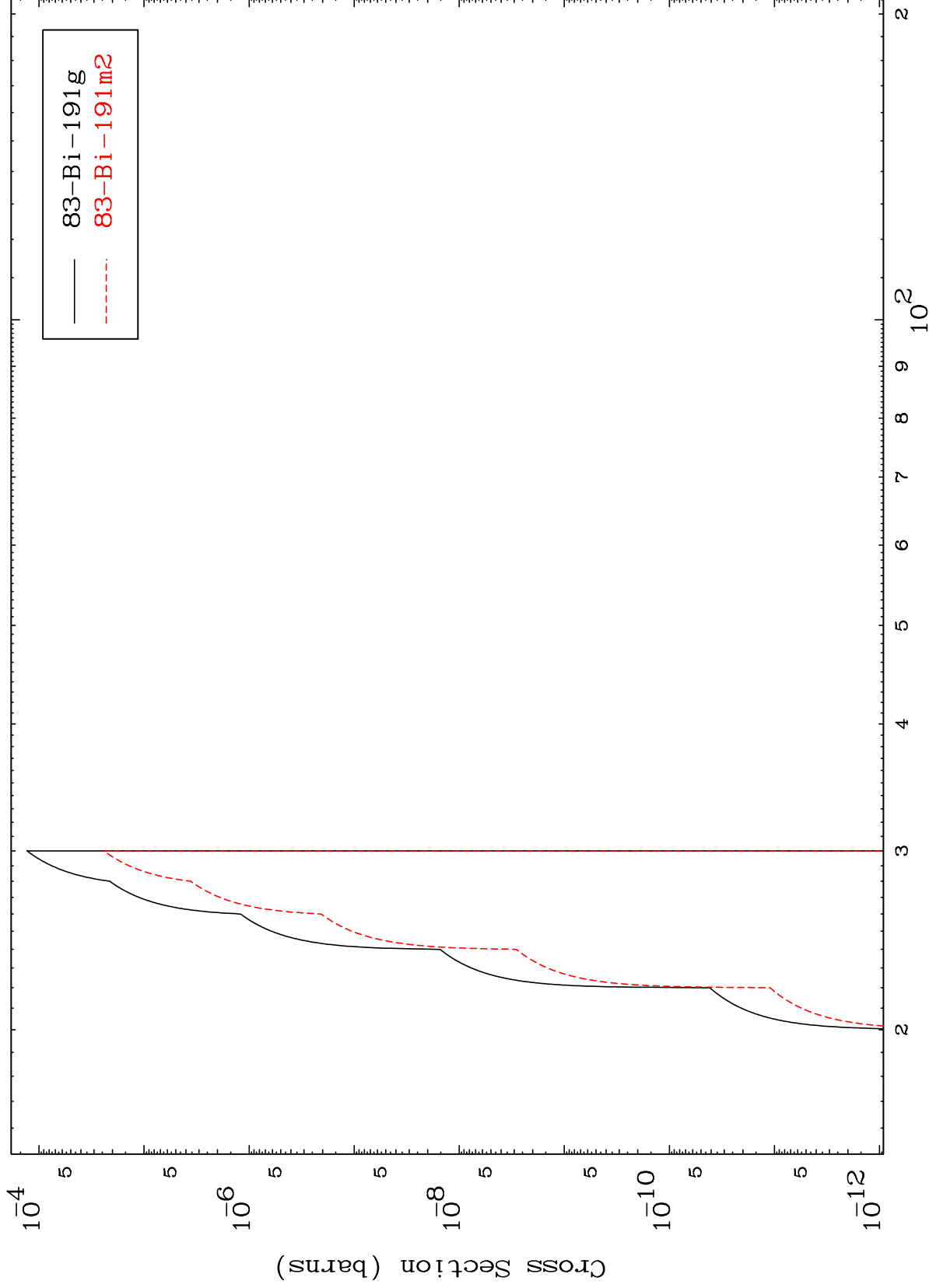
15

MAT 8180

(α, d)

82-Pb-189

Radionuclide Production Cross Section



16

Incident Energy (MeV)

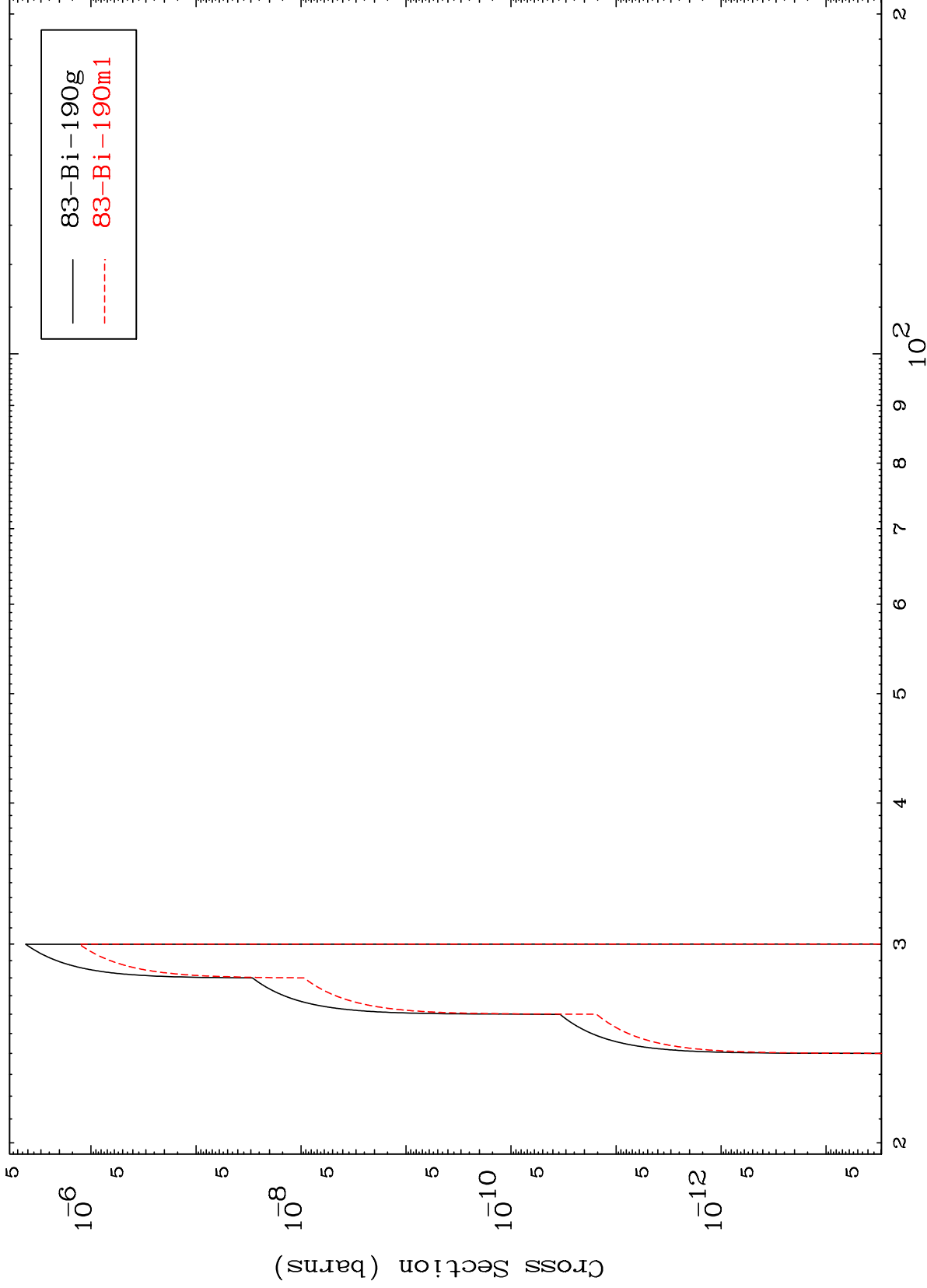
82-Pb-189

MAT 8180

(α, t)

82-Pb-189

Radionuclide Production Cross Section



17

Incident Energy (MeV)

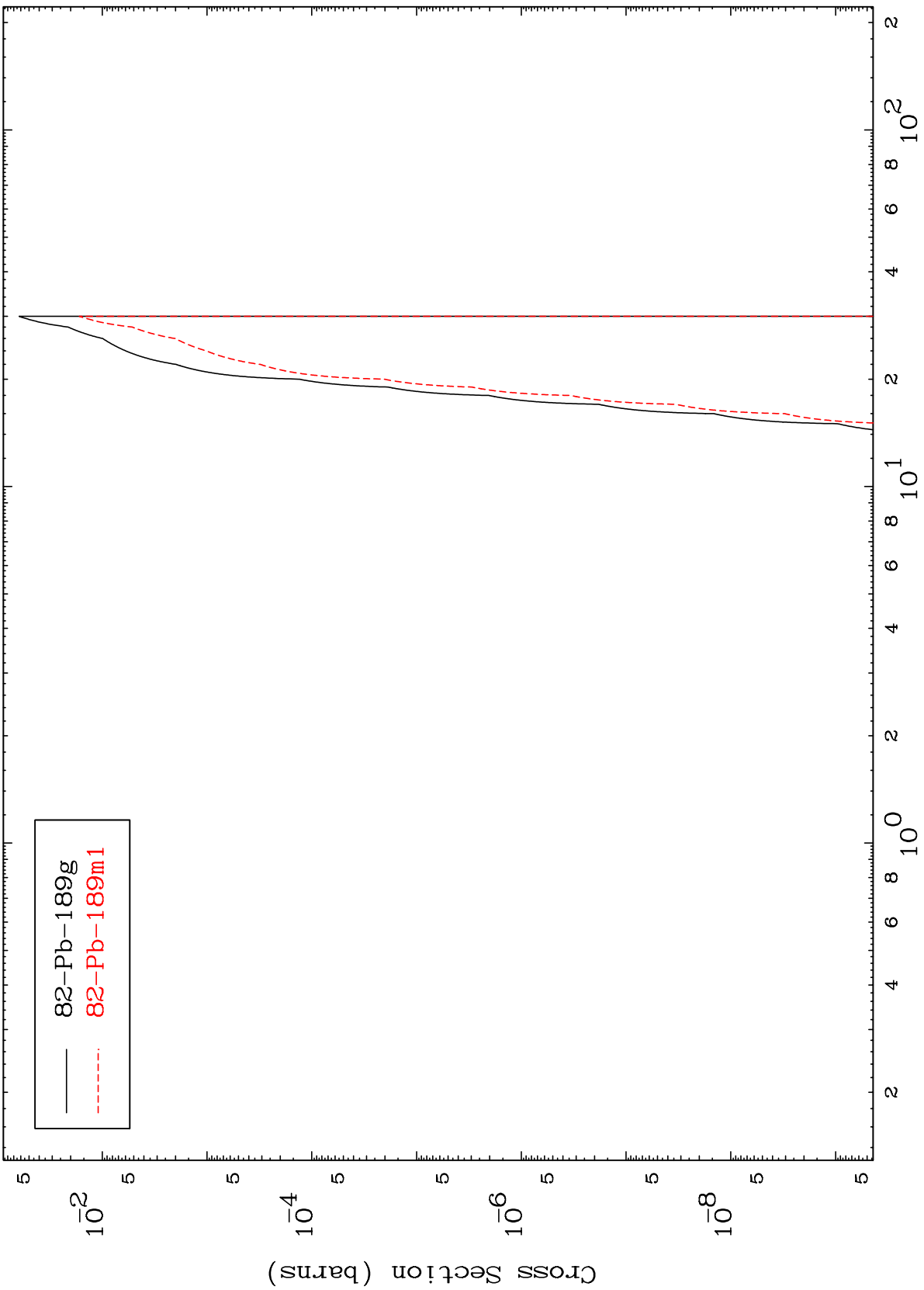
82-Pb-189

MAT 8180

82-Pb-189

(α, α)

Radionuclide Production Cross Section



82-Pb-189g
82-Pb-189m1

18

Incident Energy (MeV)

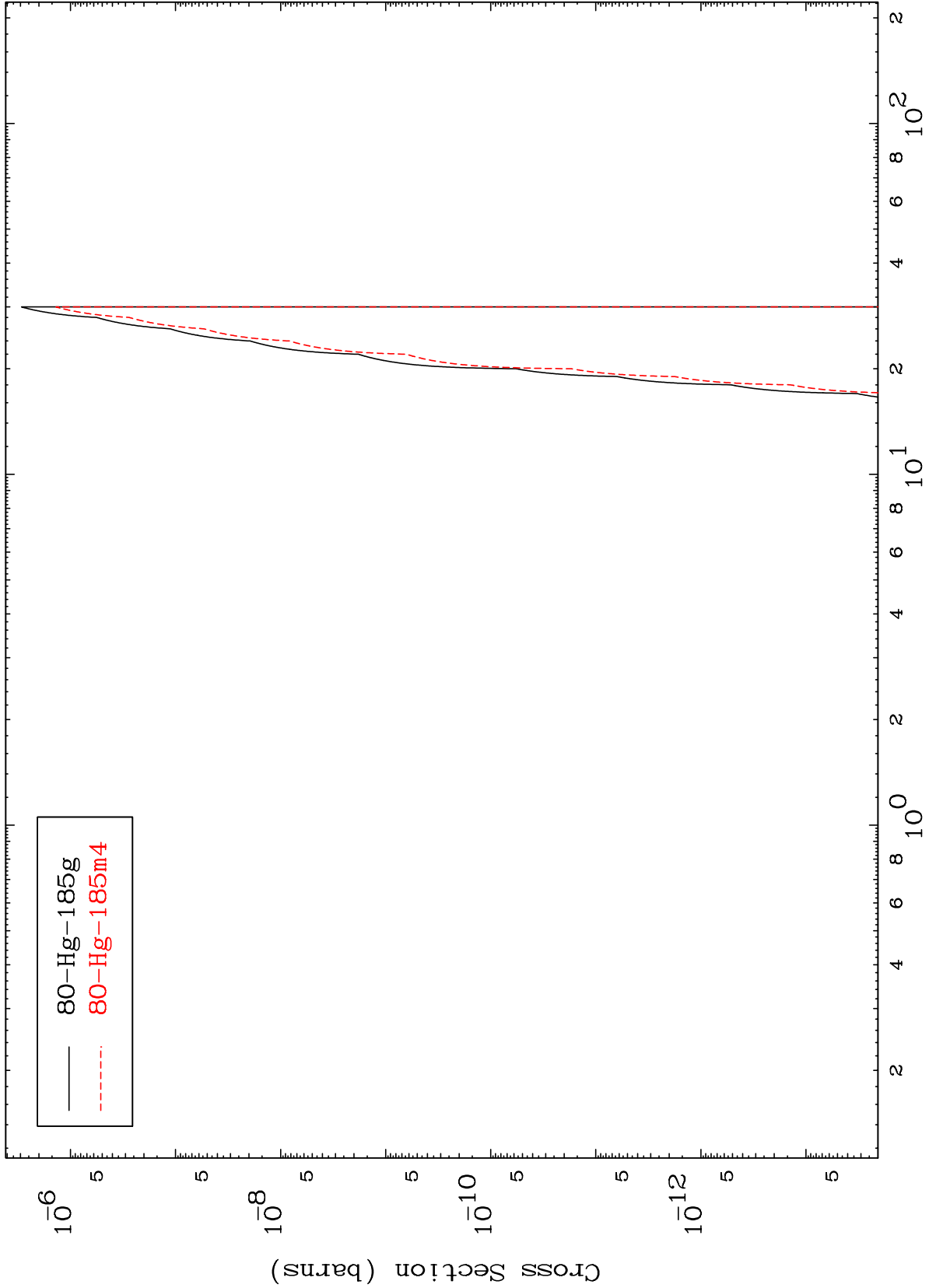
82-Pb-189

MAT 8180

($\alpha, 2\alpha$)

82-Pb-189

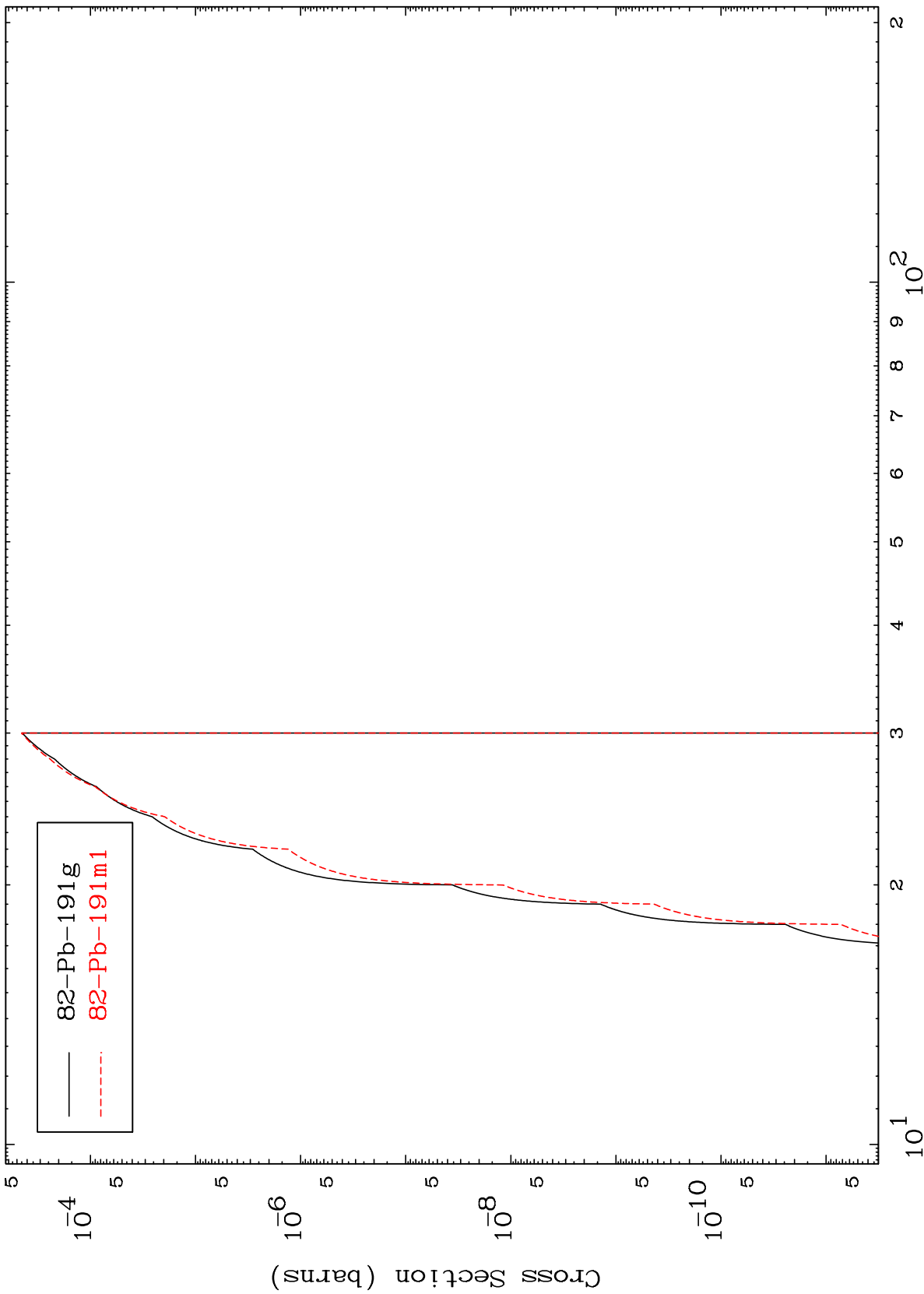
Radionuclide Production Cross Section



MAT 8180

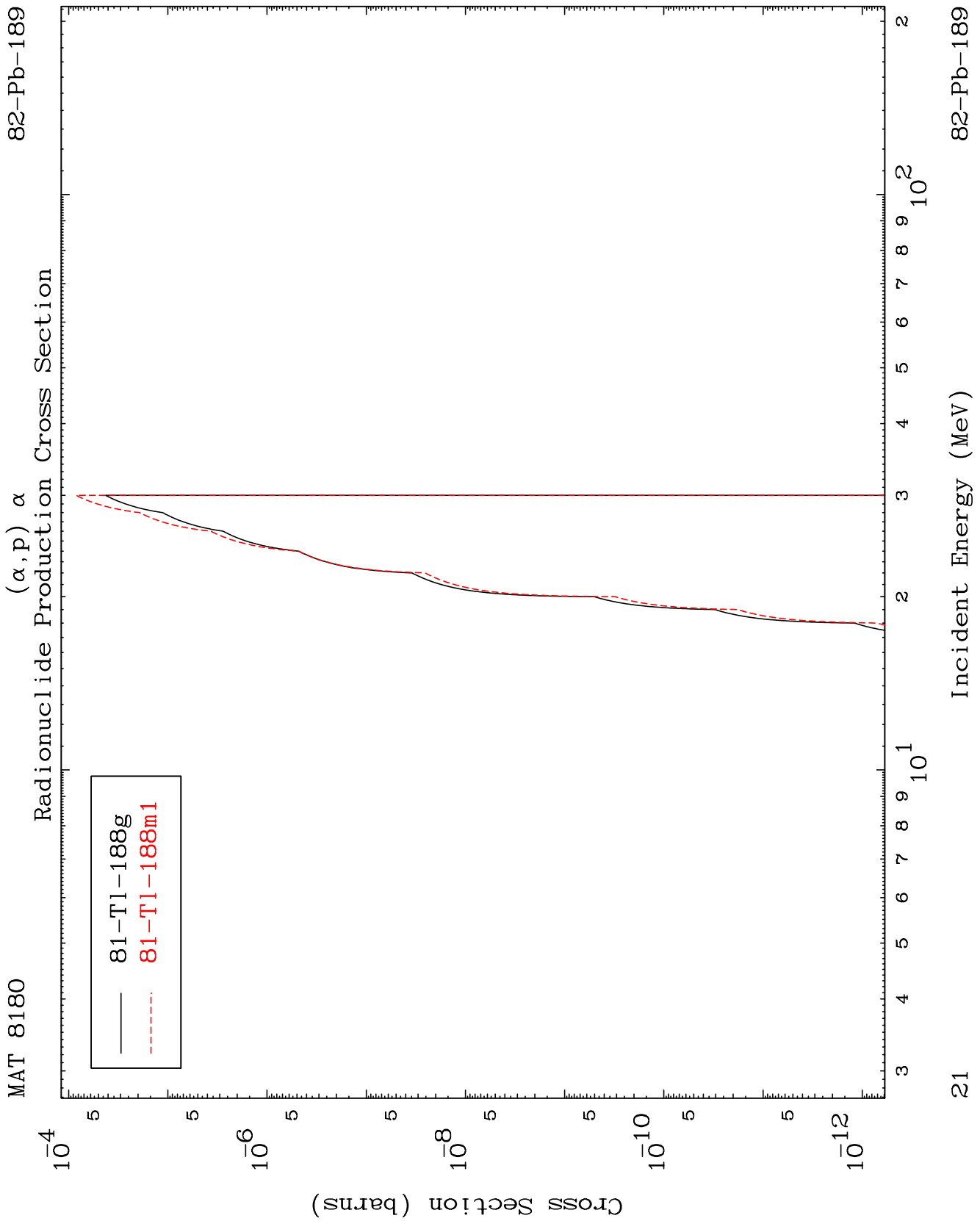
82-Pb-189

($\alpha, 2p$)
Radionuclide Production Cross Section



82-Pb-189

Incident Energy (MeV)

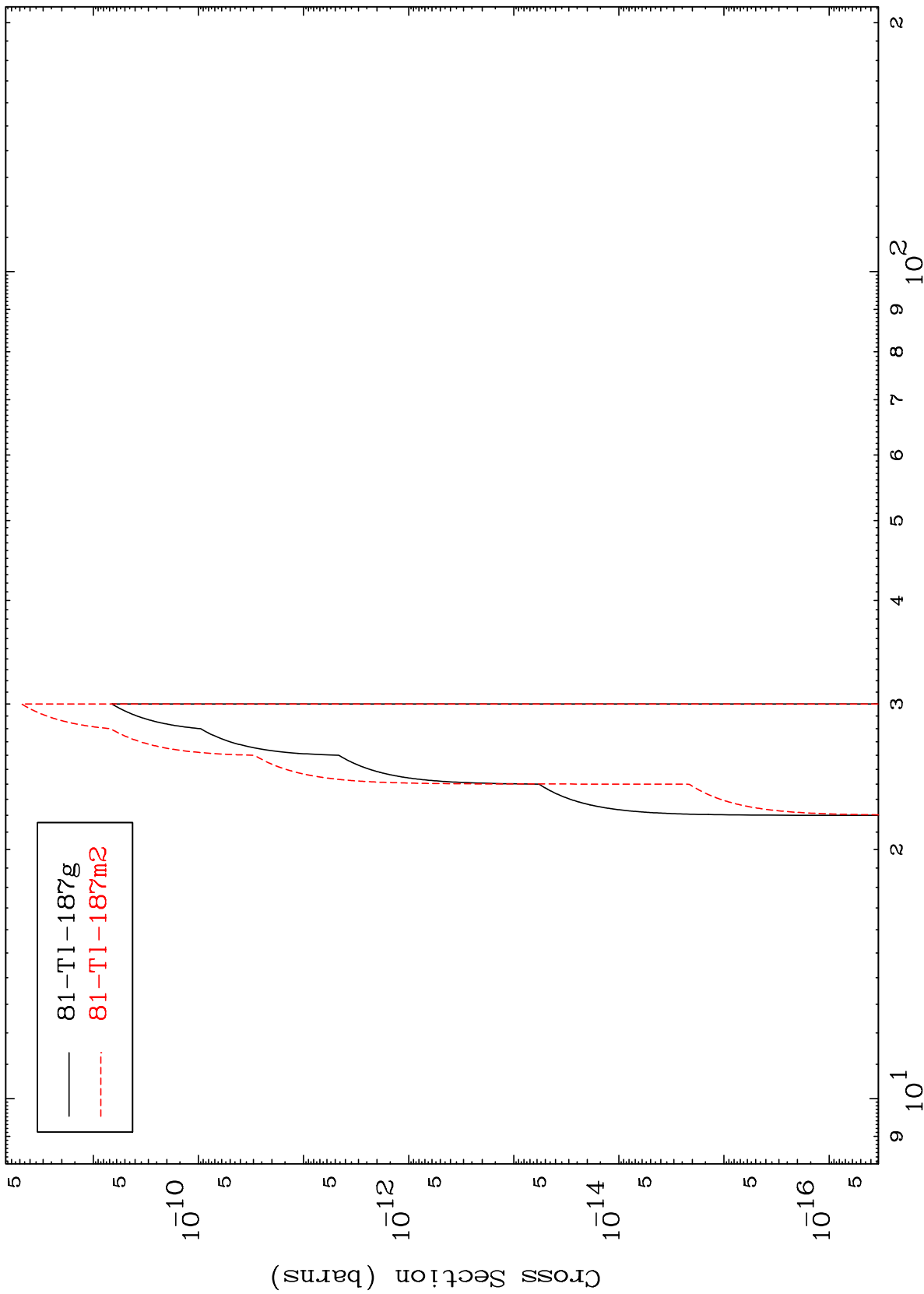


MAT 8180

(α, d) α

82-Pb-189

Radionuclide Production Cross Section



22

Incident Energy (MeV)

82-Pb-189